

IN THE CLAIMS

Please amend Claims 1-4, 7, 11, 12, 14, 15, 17-20, 22, 23, 27-34, and 37, and add Claim 41 as follows.

1. (Currently Amended) A method ~~of creating a file describing a digital image,~~ comprising the steps of:

defining at least one zoomable area in ~~the a~~ a digital image, a zoomable area being defined by characteristics of location of the area in the image and for which additional data defining the image at a greater quality or resolution are available;

writing the characteristics of the at least one zoomable area in a first file; and

writing in the first file ~~at least one instructions in a language executable by a client terminal computer, said instructions being adapted to cause the client terminal computer to perform a management function for navigation incompatibility implemented in a computer-executable language~~ for navigation in the image ~~when executed by the client terminal computer.~~
2. (Currently Amended) The method according to claim 1, wherein the at least one management function ~~for navigation incompatibility~~ relates to at least one area of the image which is not a zoomable area.
3. (Currently Amended) The method according to claim 2, wherein the at least one management function ~~for navigation incompatibility~~ comprises a step of displaying a message.

4. (Currently Amended) The method according to claim 2, wherein the at least one management function ~~for navigation incompatibility~~ comprises a step of zooming the at least one area by interpolation.

5. (Previously Presented) The method according to Claim 1, wherein the first file is an SWF file.

6. (Previously Presented) The method according to Claim 1, wherein the writing of the characteristics is performed by object instancing.

7. (Currently Amended) The method according to Claim 1, further comprising the steps of compression of the image and storage of the compression data in a second file, different from the first file, the compression data enabling reconstruction of the image and further containing the additional data.

8. (Previously Presented) The method according to Claim 7, wherein the compression comprises JPEG2000 compression.

9. (Previously Presented) The method according to Claim 1, wherein the image has a given resolution and wherein the additional data define at least one additional resolution for the zoomable area.

10. (Previously Presented) The method according to Claim 1, wherein the image has a given quality and wherein the additional data define at least one additional quality for the zoomable area.

11. (Currently Amended) A reading method of ~~reading~~ ~~describing~~ ~~a digital~~ ~~image~~ implemented in a client terminal computer, comprising the steps of:

reading characteristics of at least one zoomable area in a first file, a zoomable area being defined by characteristics of location of the area in ~~the~~ a digital image and for which additional data defining the image at a greater quality or resolution are available;

receiving a navigation instruction for the display of an area of the digital image;

reading ~~at least one~~ management function for navigation incompatibility implemented in a computer-executable language for navigation in the image executable by the client terminal computer, in the first file; and

executing ~~the~~ at least one said instructions thereby performing a management function for navigation in the image.

12. (Currently Amended) The method of claim 11, further comprising the step of testing compatibility between the navigation instruction for navigation incompatibility and the characteristics of the at least one zoomable area,

wherein the step of executing the at least one management function for navigation incompatibility occurs only if the result of said testing step is incompatibility.

13. (Previously Presented) The method according to Claim 11, wherein the navigation instruction comprises an instruction included in a list consisting of an instruction to move in the image and a zoom instruction.

14. (Currently Amended) The method according to Claim 11, wherein said step of executing the at least one management function ~~for navigation incompatibility~~ comprises display of a message.

15. (Currently Amended) The method according to Claim 11, wherein said step of executing the at least one management function ~~for navigation incompatibility~~ comprises a zoom by interpolation in a decoded image.

16. (Previously Presented) The method according to Claim 12, further comprising the step of decompressing the additional data, if the result of the compatibility test is positive.

17. (Currently Amended) A device ~~for creating a file describing a digital image~~, comprising:

~~means for defining a defining device configured to define~~ at least one zoomable area in ~~the a digital~~ image, a zoomable area being defined by characteristics of location of the area in the image and for which additional data defining the image at a greater quality or resolution are available;

means for writing a characteristic writing device configured to write the characteristics of the at least one zoomable area in a first file; and

means for writing a management-function writing device configured to write in the first file at least one instructions in a language executable by a client terminal computer, said instructions being adapted to cause the client terminal computer to perform a management function for navigation incompatibility implemented in a computer-executable language for navigation in the image when executed by the client terminal computer.

18. (Currently Amended) The device according to claim 17, wherein the ~~at least one~~ management function for navigation incompatibility relates to at least one area of the image which is not a zoomable area.

19. (Currently Amended) The device according to claim 18, wherein the ~~at least one~~ management function for navigation incompatibility comprises display of a message.

20. (Currently Amended) The device according to claim 18, wherein the ~~at least one~~ management function for navigation incompatibility comprises a zoom in the at least one area by interpolation.

21. (Previously Presented) The device according to Claim 17, wherein the first file is an SWF file.

22. (Currently Amended) The device according to Claim 17, wherein said device configured to write ~~means for writing~~ the characteristics comprises means for a device configured to perform object instancing.

23. (Currently Amended) The device according to Claim 17, further comprising a compression device configured to compress ~~means for compression~~ of the image and means for storage of ~~store~~ the compression data in a second file, different from the first file, the compression data enabling reconstruction of the image and further containing the additional data.

24. (Previously Presented) The device according to Claim 23, wherein the compression comprises JPEG2000 compression.

25. (Previously Presented) The device according to Claim 17, wherein the image has a given resolution and wherein the additional data define at least one additional resolution for the zoomable area.

26. (Previously Presented) The device according to Claim 17, wherein the image has a given quality and wherein the additional data define at least one additional quality for the zoomable area.

27. (Currently Amended) A reading device for ~~reading~~ a file describing a digital ~~image implemented in a client terminal computer~~, comprising:

~~means for reading a device configured to read~~ characteristics of at least one zoomable area in a first file, a zoomable area being defined by characteristics of location of the area in ~~the~~ a digital image and for which additional data defining the image at a greater quality or resolution are available;

~~means for receiving a receiving device configured to receive~~ a navigation instruction for the display of an area of the digital image;

~~means for reading a reading device configured to read~~ at least one management function for navigation incompatibility implemented instructions in a computer-executable language for navigation in the image executable by the client terminal computer, in the first file; and

~~means for executing an executing device configured to execute~~ said at least one instructions, thereby performing a management function for navigation in the image.

28. (Currently Amended) The device of claim 27, further comprising:
~~a testing device configured to test~~ means for testing compatibility between the navigation instruction and the characteristics of the at least one zoomable area, wherein execution of the at least one management function for navigation incompatibility occurs only if the result from said testing device ~~means~~ is incompatibility.

29. (Currently Amended) The device according to Claim 27, wherein the navigation instruction instructions comprises an instruction included in a list consisting of an instruction to move in the image and a zoom instruction.

30. (Currently Amended) The device according to Claim 27, wherein execution of the ~~at least one~~ management function for navigation incompatibility comprises display of a message.

31. (Currently Amended) The device according to Claim 27, wherein execution of the ~~at least one~~ management function for navigation incompatibility comprises a zoom by interpolation in a decoded image.

32. (Currently Amended) The device according to Claim 28, further comprising the step of decompressing the additional data, if the result from said testing means device is positive.

33. (Currently Amended) The device according to Claim 17, wherein said defining device means and said characteristic writing device means are incorporated in a microprocessor, a read only memory containing a program for processing the data, and a random access memory containing registers adapted to record the variables modified during execution of the program.

34. (Currently Amended) The device according to Claim 27, wherein said reading device means, said receiving device means and said executing device means are incorporated in a microprocessor, a read only memory containing a program for processing the data, and a random access memory containing registers adapted to record variables modified during execution of the program.

35. (Previously Presented) A digital image processing apparatus adapted to implement the method according to Claim 1 or 11.

36. (Previously Presented) A digital image processing apparatus comprising the device according to Claim 17 or 27.

37. (Currently Amended) An information storage device ~~means~~ readable by a computer or by a microprocessor, ~~integrated or not into the device, possibly removable~~, and storing a program executed by the computer or microprocessor to effect the method according to Claim 1 or 11.

38. (Cancelled)

39. (Previously Presented) A method according to Claim 1, wherein the computer-executable language is a scripting language.

40. (Cancelled)

41. (New) The method of Claim 11, further comprising the step of testing whether the area to be displayed is entirely within said at least one zoomable area and wherein said instructions are executed if the result of the testing step is negative.